



# GUARDIAN: General User Alert Display Panel

Alpha Test

August 29, 2005

## Participating WFOs and Contacts

Agency	Office	Contacts	Meetings attended	Install/Training Date	Install on machine?	Date of Next AWIPS Update	AWIPS Build at initial install
WFO	Amarillo (AMA)	Scott Plischke (ITO) David Hennig (AFP) Ken Hunter (ESA)	5/18	6/7	lx1-4	7/26	4.2
WFO	Juneau (AJK)	Tom Ainsworth (MIC) Paul Shannon	5/18	6/4	lx1-4, xt1-4	7/6	4.2
WFO	Boulder (BOU)	Eric Thaler (SOO) Larry Mooney (MIC) Dave Tomalak	5/18	6/9	lx2, lx5	8/30	4.2
WFO	Wilmington (ILN)	Tom Johnstone (ITO) John Distefano (SOO) Stephen Hrebenach	5/18	6/17	xt2, xt3, xt5	9/1	4.2
WFO	Salt Lake City (SLC)	Larry Dunn (MIC) Dwight Williams Randy Weatherly (ITO)	5/18	6/24	lx5	9/7	4.2
HQ	MDL	Tom Filiaggi (Task Lead/Developer)	5/18	n/a		n/a	
Region	AFPs	Eric Howieson (SR) Neal DiPasquale (ER)	5/18(Eric late)	n/a		n/a	

## Milestones

Milestone	Description	Date <b>Scheduled</b> / <b>Completed</b>	
<b>Volunteers</b>	Volunteers are identified for the Alpha Testing of Guardian, preferably with each region being represented.	January, 2005	
<b>Kick-Off</b>	Scheduled for May 18, 2005, 3pm Eastern Time. A kick off teleconference will be held before installation. Issues to be discussed include (but not limited to): <ul style="list-style-type: none"> <li>• Installation: initial schedule, needs, updates</li> <li>• Mini-Training: Informal, basic</li> <li>• Communication: use of listserver?</li> <li>• Functionality: details of what Guardian can and cannot do.</li> <li>• strengths/weaknesses:</li> <li>• desired intent: What benefits Guardian is expected to produce.</li> <li>• Duration: Length of Alpha Test</li> </ul>	May 18, 2005 3pm Eastern	
<b>Installation</b>	Tom Filiaggi will personally, manually install Guardian at each Alpha Site, on at least one workstation. Tom will install on multiple workstations if requested. If multiple installations are requested after initial visit, either the site will have to install it, to the site will have to give certain system privileges to Tom so he can install remotely.	BOU: 6/1,2 AJK: 6/4 AMA: 6/7 ILN: 6/17 SLC: 6/24	
<b>Mini-Training</b>	On the day of Installation, Tom will also conduct a brief training session. It is expected that each Alpha Site will appoint at least one person to be the Guardian Expert for the site. The GE will provide information and instruction to any who do not attend this training.	Same as install	
<b>Build Updates</b>	When a site gets scheduled for an AWIPS upgrade, they will inform Tom of the date and work with Tom in establishing a time at which Tom can either update Guardian or provide the necessary files and instructions for the site to upgrade it.	A1: week of Aug. 1, 2005 A2: week of Sept. 5?	
<b>Feedback</b>	Though it is hoped that Feedback will be continuous and the Alpha Test last as long as all participants want, perhaps occasional teleconferences would be worth scheduling and attending (perhaps one a month?).	ongoing	
<b>Conclusion</b>	The intent is for this Alpha Test to really shake-down the Guardian software. The Alpha Test Sites have a great opportunity to be leaders, when it comes to how Guardian gets used and what the 'best practices' may become. As such, it is also intended for this Alpha Test to last as long as participants want, which means it could last through the development cycle for OB7 (April, 2006), if indeed Guardian is deemed ready for operations in the OB7 timeframe.	unknown	

## Builds/Updates/Version

Version	Contents/Issues	Date <b>Scheduled / Completed</b>	
<b>A0</b>	Initial Installation	varies	
<b>A1</b>	<p><b>A0 Bug Fixes:</b></p> <ul style="list-style-type: none"> <li>Changing the pop-up bitmap widget for pop-up bitmap naming does not yield the “Apply Changes” button like other priority setting changes do, but it should. This will be investigated.</li> <li>Guardian does not seem to be changing the color of the monitor buttons as it should.</li> <li>Main GUI will appear in middle of screen. Will eventually change this to have it appear at top (if possible). Also need to make the main GUI more narrow (by about 50 pixels) and adjust width differently, adjusting for the variability of the logGuardian.gif file used (based on V modes).</li> <li>System beep does not seem to be working. Issuing “bell” from a wish works, but not from tcl direct(!?)</li> <li>Key coloring is messed up (when creating a new monitor??)</li> <li>If a monitor key gets deleted, and is included in the main GUI, it is not getting removed from the main GUI.</li> <li>The blink color seems to stop on the wrong color occasionally. Was stopping appropriately, but needed to blink with fore and back ground colors.</li> <li>Text box arrow needs to have different focus color.</li> <li>If no categories in the layout box, it yields a ‘one-space’ name, which is bad. Layout section needs attention.</li> <li>When writing a key into the config file, “0” is being written for blank actions.</li> <li>When a file entry widget (for the priorities) is closed, the contents of the widgets needs to be cleared.</li> <li>SCAN seems to be sending a blank key, causing an occasional crash/re-start in Guardian</li> </ul> <p><b>New Functionality:</b></p> <ul style="list-style-type: none"> <li>For text blink, switch fore/background colors (don’t just use yellow)</li> <li>When a priority entry widget is hidden, clear the contents variable</li> <li>When writing a key to a config file, do not allow “0” for action.</li> <li>Layout section: clear boxes when layout does not use them (and other layout widget issues)</li> <li>Make the default configuration workstation-specific</li> <li>Provide method to clear a text box</li> <li>Provide method to clear a text log – according to category and ‘all’.</li> <li>Enable the play of audio files (.wav and .au, source is \$FXA_HOME/data/sounds)</li> <li>Provide color select method that does not use color words (or hex colors)</li> <li>Provide additional tips for black title buttons</li> </ul>	<p>Week of August 1, 2005</p> <p>AJK: 8/3X</p> <p>BOU: 8/4</p> <p>AMA: 8/3 pmX</p> <p>ILN: 8/3 amX</p> <p>SLC: 8/4X</p>	
<b>A2</b>	<p><b>A1 Bug Fixes:</b></p> <ul style="list-style-type: none"> <li>System beep. Issuing “bell” command from a wish works, but not from tcl direct(!?).</li> <li>Main GUI does not update Layout when a new configuration is retrieved.</li> </ul> <p><b>New Functionality:</b></p> <ul style="list-style-type: none"> <li>If a configuration change has been applied but not yet saved to a file, note this in the file label.</li> <li>Check for valid color before trying to save a new Source Key.</li> <li>Blink issue: 1) start blink, 2) new, no-blink message comes in, 3) blink continues with <i>original</i> colors? Need to use new colors.</li> <li>Ensure ‘acknowledge text’ also properly halts beep/blink (halts “repetition”)</li> <li>Provide format without text (monitors only).</li> </ul>	<p>Week of Sept. 5, 2005 ?</p>	



	<ul style="list-style-type: none"><li>▪ Allow the Configuration to dictate on what screen Guardian will appear.</li><li>▪ Confirm when saving or deleting the default configuration file.</li><li>▪ Provide a graphical method to display and acknowledge an audio response.</li><li>▪ Provide a graphical reflection of when one message comes in right on the heels of another.</li><li>▪ Enable perpetual repetition.</li><li>▪ Handle lack of Monitor Executable better (disable when no exec available).</li><li>▪ Ensure tips pop-ups move with the Configuration window.</li></ul>		
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**Functionality Issues Identified by Alpha Test Sites**

Site	Date	Issue	Action	Difficulty	Priority	Target	Complete
several	5/18	Provide workstation-specific default configurations.	Tom F. will implement this.	easy	high	A0	<b>A1</b>
AMA	6/7	Provide method to clear (acknowledge) a text line	Tom F. will implement this.	moderate	moderate	A2	<b>A1</b>
ILN	6/17	Allow the Layout selection to determine which screen Guardian runs on.	Tom F. will investigate and experiment	easy-mod	low	A2	<b>A2</b>
AJK	8/3	Amount of text in log – too wide for screen? Actually may not be a problem – need to verify.	Tom F. will limit width, beyond which the horizontal scroll will need to be used.	easy	low	?	

Sample image captures:



is the GUARDIAN Configuration Graphical User Interface. This

Save Save... Retrieve... Delete... Close Current Configuration: default\_tyr Screen: :0.0 :0.1 :0.2 Restart!

**LAYOUT**

Q2

MONITOR SYSTAT SYSCOM

INGEST SEND RA MISC

**CATEGORIES**

New  
FORCHK  
GDN\_ADMIN  
INGEST  
LOCAL  
MISC  
MONITOR  
RADAR  
SEND

**Common Settings for all Sources/Priorities**

Show the PRIORITY number in the text message: ☐

Show the SOURCE Key in the text message: ☐

Show the CATEGORY in the text message: ☐

Blink duration (in seconds): 0

Audio duration (in seconds): 6

Expand Popup information: ☐

Length of Message Log for each category: 10

Time (min) after which this configuration will revert to the default: 45

**SOURCES**

New  
ANNOUNCER  
FFMP  
GDN\_ADMIN  
SCAN

**Apply Change**

text: ☐

blink: ☐

popup: ☐

audio: doh.wav ☐

action: ☐

background: blue red yellow green blue white

foreground: red white black black black black

**PRIORITIES**

high 0 1 2 3 4 low 5

0 1 2 3 4 5

text: ☐ ☐ ☐ ☐ ☐ ☐

blink: ☐ ☐ ☐ ☐ ☐ ☐

popup: ☐ ☐ ☐ ☐ ☐ ☐

audio: ☐ ☐ ☐ ☐ ☐ ☐

action: ☐ ☐ ☐ ☐ ☐ ☐

background: blue red yellow green blue white

foreground: red white black black black black

**Regular**

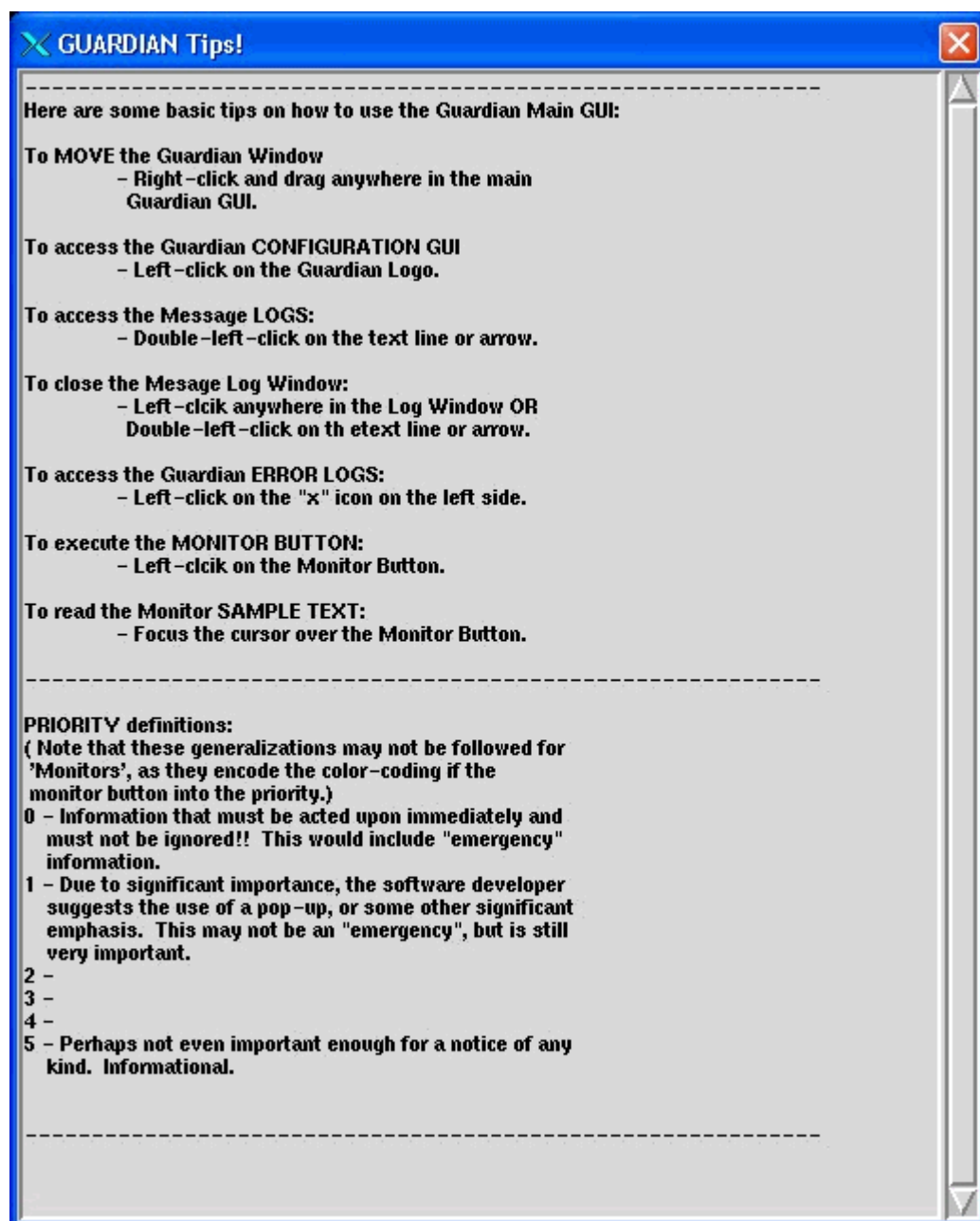
**Monitor**

**Omitted Monitor**

Monitor Bitmap: scti\_SevereWeather.xbm Min. Time Interval: 800

Monitor Executable:







**Workstation Information**

		<b>AJK</b>	<b>AMA</b>	<b>BOU</b>	<b>ILN</b>	<b>SLC</b>
<b>lx1</b>	desktop responsibilities	gnome Public Service, Nowcasts, Period 1 update	gnome Short-term, Aviation, short-fuse warnings	Long term (IFPS/GFE)	gnome Public	gnome Public Service
<b>lx2</b>	desktop responsibilities	gnome Back-up	gnome Long-term	Public Service	gnome Short-term, Aviation	gnome Fire Weather
<b>lx3</b>	desktop responsibilities	gnome Long-term forecast/Lead	Primary Back-up, Admin, secondary short-fuse	Severe Weather Ops, Nowcast, warnings, fire	gnome Long-term, Public	gnome Aviation
<b>lx4</b>	desktop responsibilities	gnome Short-term forecast/aviation	gnome HMT/Intern (climate, hydro)	Severe Weather Ops, Nowcast, warnings, fire	gnome Severe Weather Ops	gnome Lead
<b>lx5</b>	desktop responsibilities	gnome	gnome Secondary Back-up, HAMS, Admin, tertiary short-fuse	Short Term (TAFs, Nowcasting)	gnome Data Collection	gnome Short-term
<b>other</b>	desktop responsibilities	gnome rpp-ajk: development		na2: Severe/Hydro		gnome lx6: Severe weather